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PATENT APPLICATION

THOMSON PLASMA

PLASMA DISPLAY PANEL WITH COPLANAR ELECTRODES OF CONSTANT WIDTH

ABSTRACT

Panel comprising an array of barrier ribs (15) each having a base resting on a plate (12) and a top in contact with another plate (11) that includes at least two arrays of coplanar electrodes (Y, Y') each preferably having a constant width. According to the invention, these barrier ribs have, at their top, a low-permittivity region (15_b; 15_c) of thickness (D_b; D_c) greater than 3 μm and less than or equal to one fifth of their total height, which has a mean dielectric permittivity (E_b, E_c) at least three times smaller than the dielectric permittivity (E_a) of these barrier ribs measured at their base.

Thanks to the invention, the confinement of the plasma discharges far from the barrier ribs is substantially improved.

Figure 5.